

1. (Currently amended) A notification system for at least one power supply coupled to a computer network and adapted to transmit data over the computer network when the at least one power supply undergoes an entry of a critical state, the notification system comprising:

    a computer system connected to the computer network, the computer system being adapted to:

        monitor in substantially real time information transmitted over the computer network and detect in substantially real time an occurrence of the data being associated with the an actual entry of the critical state and an actual exit of the critical state;

        store information relating to the data being associated with the entry and exit of the critical state; and

        report over the computer network at least one of: (i) a combination of an actual entry time of the critical state and an actual exit time of the critical state, and (ii) a an actual duration of time as a difference between the actual entry time and the actual exit time of the critical state.

2. (Original) A notification system of claim 1, further comprising the at least one power supply coupled to a computer network, wherein the power supply includes a network card coupled to the computer network for communicating with the computer network.

3. (Original) A notification system of claim 1, further comprising a computer coupled to the at least one power supply and having a network card coupled to the computer network.

4. (Currently amended) A notification system for at least one power supply coupled to a computer network and adapted to transmit data over the computer network when the at least one power supply undergoes an entry of a critical state, the notification system comprising:

    a computer system connected to the computer network, the computer system being adapted to:

        monitor information transmitted over the computer network and detect in substantially real time an occurrence of the data being associated with the an actual entry of the critical state;

        store information relating to the data being associated with the entry and exit of the critical state; and

        report over the computer network information relating to a duration of the critical state;

    wherein the computer is further adapted to, in response to detecting the occurrence of the data being associated with the actual entry of the critical state, continuously polls poll the power supply system over the computer network at predetermined time intervals until a poll indicates that the power supply system has actually left the critical state.

5. (Original) A notification system of claim 1, further comprising the at least one power supply coupled to the computer network.

6. (Original) A notification system of claim 1, wherein the critical state is a loss of output power of a battery.

7. (Original) A notification system of claim 1, wherein the critical state is a loss of communication with a power supply.

8. (Currently amended) A notification system of claim 1, wherein the data being associated with the actual entry of the critical state is packetized data.

9. (Currently amended) A notification system of claim 1, wherein the data being associated with the actual entry of the critical state is a trap.

10. (Currently amended) A notification system for a plurality of power supplies each coupled to a computer network and each adapted to transmit a trap over the computer network when the power supply undergoes an entry of a critical state, the notification system comprising:  
a computer system connected to the computer network, the computer system being adapted to:

monitor information transmitted over the computer network and detect in substantially real time a trap being associated with the an actual entry of the critical state, wherein upon detecting from a power supply the trap being associated with the actual entry of the critical state, the power supply is polled at predetermined time intervals until a poll indicates that the power supply has actually left the critical state;

store information relating to the trap being associated with the entry of the critical state of each power supply; and

report over the computer network the information relating to the an actual duration of each critical state of each power supply, the actual duration being a difference between an actual entry time of the critical state and an actual exit time of the critical state the computer system detects in substantially real time.

11. (Original) A notification system of claim 10, further comprising the plurality of power supplies coupled to a computer network, wherein each power supply includes a network card coupled to the computer network for communicating with the computer network.

12. (Original) A notification system of claim 10, further comprising the plurality of computers each having a network card coupled to the computer network, wherein one computer is coupled to each of the power supplies.

13. (Original) A notification system of claim 10, further comprising the plurality of power supplies coupled to the computer network.

14. (Original) A notification system of claim 10, wherein the critical state is a loss of output power of a battery.

15. (Original) A notification system of claim 10, wherein the critical state is a loss of communication with a power supply.

16. (Currently amended) A notification system for a plurality of power supplies each coupled to a computer network and each adapted to transmit a trap over the computer network when the power supply undergoes an entry of a critical state, the notification system comprising:

a computer system connected to the computer network, the computer system including:

means for monitoring information transmitted over the computer network and ~~detects~~ means for detecting in substantially real time a trap being associated with ~~the an~~ actual entry of the critical state, wherein upon detecting from a power supply the trap being associated with the actual entry of the critical state, the means for monitoring polls the power supply at predetermined time intervals until a poll indicates that the power supply has actually left the critical state;

means for storing information relating to a duration of each critical state of each power supply; and

means for reporting over the computer network the information relating to the actual duration of each critical state of each power supply, the actual duration being a difference between an actual entry time of the critical state and an actual exit time of the critical state the computer system detects in substantially real time.

17. (Original) A notification system of claim 16, further comprising:

the computer network;

the plurality of power supplies each coupled to the computer network and adapted to transmit a trap over the computer network when the power supply undergoes an entry of a critical state; and

means for coupling each of the plurality of power supplies to the computer network.

18. (Currently amended) A method of providing over a computer network a notification of a power supply in a critical state, the method comprising:

monitoring the computer network for an indication that a power supply has actually entered a critical state;

polling the power supply at predetermined time intervals until a poll indicates that the power supply has actually left the critical state;

storing information relating to the critical state of the power supply; and

reporting over the computer network the information relating to a an actual duration of the critical state of the power supply, the actual duration being a difference between an actual entry time of the critical state and an actual exit time of the critical state detected over the computer network in substantially real time.

19. (Original) The method of claim 18, further comprising transmitting a trap from the power supply over the network to provide the indication that the power supply has entered the critical state.

20. (Original) The method of claim 18, wherein storing information relating to each critical state comprises storing information on a database relating to a duration of each critical state of each power supply.

21. (Currently amended) A method of providing over a computer network a notification of a power supply in a critical state, the method comprising:

monitoring in substantially real time the computer network for an indication that a power supply has actually entered a critical state;

if the power supply has actually entered a critical state, monitoring over the computer network for a an actual status of a battery of a power supply;

if monitoring has indicated that the battery is operative and was previously inoperative, recording a an actual time period that the battery was inoperative; and

if monitoring has indicated that communication is reestablished but was previously lost with the power supply, recording a an actual time period that communication was lost with the power supply.

22. (Original) The method of claim 21, further comprising:  
if monitoring has indicated that the battery is inoperative, polling the power supply at a predetermined time interval.

23. (Original) The method of claim 22, further comprising:  
if monitoring has indicated that communication is lost to the power supply, polling the power supply at a predetermined time interval.

24. (Original) An article of manufacture, comprising:  
a computer usable medium having computer readable program code means embodied therein for providing over a computer network a notification of a power supply in a critical state, the computer readable program code means in said article of manufacture comprising:  
computer readable program code means for causing the computer system to monitor the computer network and to detect in substantially real time for an indication transmitted over the computer network that a power supply has actually entered a critical state;  
computer readable program code means for causing the computer system to poll the power supply at predetermined time intervals until a poll indicates that the power supply has actually left the critical state;  
computer readable program code means for causing the computer system to store information relating to the critical state of the power supply; and  
computer readable program code means for causing the computer system to report over the computer network the information relating to a an actual duration of the critical state of the power supply, the actual duration being a difference between an actual entry time of the critical state and an actual exit time of the critical state the computer system detects in substantially real time.

25. (New) A notification system of claim 1, wherein the computer system is further adapted to poll the at least one power supply at one or more predetermined time intervals in response to detection of an occurrence of the data being associated with the actual entry of the critical state.

26. (New) A notification system of claim 25, wherein the computer system is further adapted to determine from one or more polls an actual operative state of the at least one power supply.